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(57) Abstract: CONTROL DEVICE (54) LIGHT QUANTITY

phenomenon. of detected light with the delay of a step and then comparing the quantity control of the quantity of a laser beam by changing a laser current by one fixed time for converging a transient PURPOSE: To reduce an error at the

detected by a detecting photodiode 8, beam outputted from a laser 1 is CONSTITUTION: The quantity of a

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and amplifiers 19, 21, the quantity of driving currents of the converter 15 adjusted. If the values of output ports so that quantity of the laser beam is constant current circuit 20 through a converted 15 and supplied to a stored in a ROM14-2 in accordance converging the transient variation of one bit, the current of the laser 1 is 01W09 of the MPU14 are changed by to control the driving current of the current/voltage converting circuit 18 S1WS3 and a signal corresponding to with light quantity switching signals compared with a reference value the laser beam is detected. passage of a waiting time for increased like steps, and after the the MPU14. The output signal is D/A selected out of plural reference values MPU14, the digital signal is A/D converted in a microprocessor arithmetically amplified 13 and then laser 1 through transistors 22, 25, 26, the reference value is outputted from

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